仿贴片型采样电阻-BSR系列
Imitation Patch Type Sampling Resistance-BSR Series

业展电子 YEZHAN ELECTRONICS

特征 Features

精度±5%和10%	Tolerance ±5% and ±10%
可焊性好	Excellent Solderability
表面贴装	Surface mounted
符合RoHS、REACH要求	RoHS and REACH compliant
特殊规格可以订做	Customizable

应用范围 Applications

电流采样	Current Sensing
驱动技术	Drive technology
工业电子	Industrial electronics
家电控制器	Home Appliance

订购信息 Ordering Information

B	0	-15	-0	J	- t3
Product Type	Power	W	R Value	Tolerance	Other
BSR-B	Watts	Pitch Unit: mm	Unit: mΩ	K:±10% J:±5%	tin-plate : X1 Other: t

代号 Symbol	材料 Materials	电阻率 Resistance Rate
1	康铜 Constantan	48μΩ．cm
n	镍铬 NiCr	108μΩ．cm
6	铜镍 Copper-Nickel	30μΩ．cm
c	镀锡铜 Tinned copper	/

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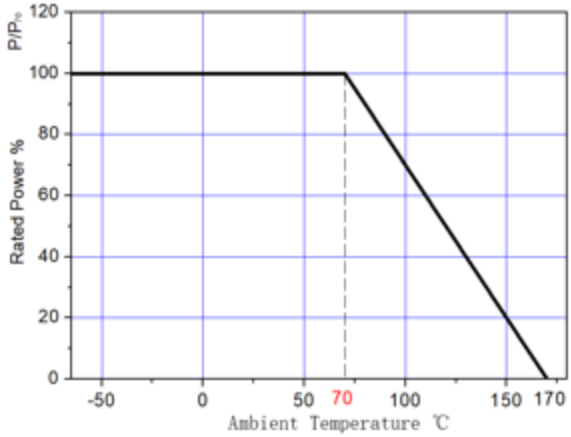
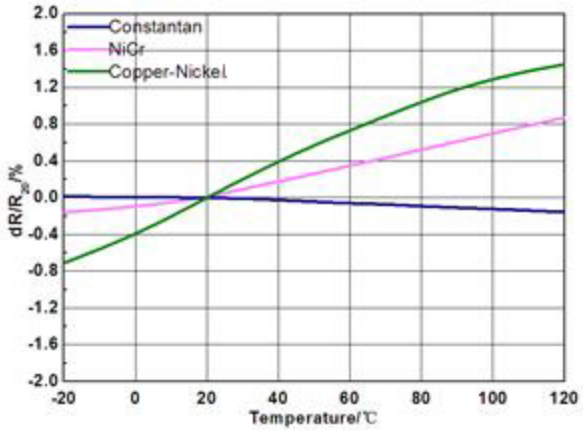
工作特性 Performance Data

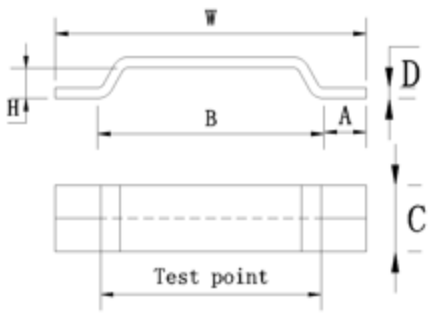
降功率曲线 Power Derating	温度系数曲线 TCR Derating





TCR（ppm/℃）：Test conditions at 20℃~120℃.

产品尺寸和性能 Product Size And Performance

项目 Iterms	参数 Parameters
材料 Material	镀锡铜 Tinned Copper
图解 Diagrammatize	
B	10mm±0.5mm
D	0.5mm±0.2mm
W	15mm±2.0mm
C	3.2mm±0.3mm
H	1.5mm±0.3mm
A	2.5mm±0.4mm
阻值 Value	~
使用温度 operating temperature	-65~170℃

耐久性测试 Endurance Test

Iterms	Additional Requirements	Reference	Limits
Operational Life	70±2℃, 1000h Rated voltage (90 min ON, 30 min OFF)	MIL-STD-202 Method 108	±1%
Biased Humidity	1000hrs 85℃/85%RH。Note:Specified conditions:10% of operating power.	MIL-STD-202 Method 103	±1%
Temperature Cycling	1000 Cycles(-55℃ to +125℃)	JESD22 Method JA-104	±1%
Solderability	245℃±5℃,5s±0.5s	J-STD-002C	95% Coverage Minimum
Short Time Overload	5×Rated power for 5 s	MIL-STD-202 Method 301	±1%
Resistance to Soldering Heat	260℃±5℃，10s±1s	MIL-STD-202 Method 210	±0.5%
Vibration	(10 - 2000 Hz) ,5 g's for 20 min, 12 cycles each of 3axis.	MIL-STD-202 Method 204	±0.5%

包装 Packaging

散装，内外双包装 Bulk，Internal And Externai Package

版本信息 Version History

版本 Version	日期 Date	修订描述 Description of amendment	拟定 Draft	审核 Checked
A1.0	21-Sep-2022	首版发行	张雅兰	胡紫阳